



STIC Search Report

EIC 2100

STIC Database Tracking Number: 192529

TO: Cam-Linh T Nguyen
Location: RND 3C21
Art Unit: 2161
Monday, June 12, 2006

Case Serial Number: 10/086103

From: Emory Damron
Location: EIC 2100
RND 4B19
Phone: 571-272-3520

Emory.Damron@uspto.gov

Search Notes

Dear Cam-Linh,

Please find below your fast and focused search.

References of potential pertinence have been tagged, but please review all the packets in case you like something I didn't.

Of those references which have been tagged, please note any manual highlighting which I've done within the document.

In addition to searching on Dialog, I also searched JPO/Derwent, IEEE, and Inspec. There may be a few decent references contained herein, but I'll let you determine how useful they may be to you.

Please contact me if I can refocus or expand any aspect of this case, and please take a moment to provide any feedback (on the form provided) so EIC 2100 may better serve your needs. Good Luck!

Sincerely,

Emory Damron

Technical Information Specialist

EIC 2100, US Patent & Trademark Office

Phone: (571) 272-3520

Emory.damron@uspto.gov





STIC EIC 2100 192529 Search Request Form

42

Today's Date:

6/12/06

What date would you like to use to limit the search?

Priority Date:

2/28/01

Other:

Name Nguyen, Cam Linh

AU 2161 Examiner # 78921

Room # RND-3024 Phone 2-4024

Serial # 10/086,103

Format for Search Results (Circle One):

PAPER

DISK

EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB

IEEE INSPEC SPI

Other

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

plural
- A global user ID

707/010

- Local user schema

- Map plural user ID → same local user schema

- Assign the local user schema to plural user with different role

ORACLE

STIC Searcher

Econom Damp

Phone

23520

Date picked up

6/12/06

Date Completed

6/12/06



Xcopy



STIC Search Results Feedback Form

EIC 2100

Questions about the scope or the results of the search? Contact *the EIC searcher or contact:*

Anne Hendrickson, EIC 2100 Team Leader
272-3490, RND 4B28

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: 2161 Example: 2133

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC2100 RND, 4B28



Set	Items	Description
S1	3286157	S LOCAL? OR VPN? OR PRIVAT? OR ETHERNET? OR LAN OR LANS
S2	10982084	S GLOBAL? OR REMOTE? OR PLURAL? OR MULTIPL? OR MULTIT? OR SEVERAL? OR NETWORK? OR WAN OR WANS OR OUTSIDE? OR EXTERNAL? OR PUBLIC?
S3	3901436	S SCHEMA? OR DATABASE? OR DATA()BASE? OR DIRECTOR? OR SUBSCHEMA? OR XMLSCHEMA? OR INDEX? OR TABLE? OR COLUMN? OR LDAP?
S4	4164591	S USER? ? OR SUBSCRIBER? OR CLIENT? OR CUSTOMER? OR ENDUSER? OR INDIVIDUAL? OR PERSON?
S5	20639	S S1 AND S2 AND S3 AND S4
S6	1558	S NUMBER() (ONE OR 1) OR PRINCIPAL? OR LEAD OR CONTROLLER? OR HEAD OR MASTER
S7	5494	S FIRST? OR 1ST OR PRIMARY OR INITIAL? OR ORIGINAL? OR LEADOFF? OR MAIN OR CHIEF OR INTRODUCTORY?
S8	3169	S SECOND? OR 2ND OR ANOTHER OR AUXILIAR? OR BACKUP? OR EXTRA OR SLAVE? OR SUPPLEMENT?
S9	4231	S SUBSIDIAR? OR DIFFERENT? OR ALTERNAT? OR NUMBER() (TWO OR 2)
S10	1195	S ID OR IDS OR IDENTIFICATION? OR AUTHENTICATION? OR AUTHORIZATION? OR PASSWORD?
S11	6487	S ROLE? OR PRIVILEG? OR ACCESS? OR PERMISSION? OR ACCOUNT? OR SUBSCRIPTION?
S12	1809	S DIGITAL?()CERTIFICAT? OR PROTOCOL?
S13	2902	S SIMILAR? OR ALIKE? OR IDENTICAL? OR SAMENESS OR "SAME" OR RESEMBL?
S14	4053	S MATCH? OR PATTERN? OR CLOSENESS? OR NEARNESS? OR AFFILIAT? OR ASSOCIAT?
S15	4129	S RELATED? OR KINSHIP? OR CORRELAT? OR SIMILAR? OR LIKENESS? OR ALIKE? OR CONGRUENT?
S16	4248	S DIFFERENT? OR DISSIMILAR? OR DISIMILAR? OR UNALIKE? OR UNLIKE? OR ANOTHER? OR DISPARAT?
S17	3502	S SEPARAT? OR INDEPEND? OR DISTINCT? OR UNIQUE? OR APART? OR HETER?
S18	324	S S5 AND S1(5N)S4 AND S2(5N)S4 AND S4(5N)S10:S12
S19	22	S S18 AND S13:S15(5N)S10:S12
S20	28	S S18 AND S16:S17(5N)S10:S12
S21	11	S S18 AND S6:S7(5N)S4
S22	21	S S18 AND S8:S9(5N)S4
S23	69	S S19:S22
S24	110	S S18 AND S1(5N)S4(5N)S3
S25	146	S S18 AND S2(5N)S4(5N)S3
S26	97	S S24 AND S25
S27	144	S S23 OR S26
S28	98	S S27 AND PY=1970:2001
S29	98	S S27 NOT PY=2002:2006
S30	98	S S28:S29
S31	83	RD (unique items)

; show files

[File 2] **INSPEC** 1898-2006/Jun W1

(c) 2006 Institution of Electrical Engineers. All rights reserved.

[File 6] **NTIS** 1964-2006/Jun W1

(c) 2006 NTIS, Intl Cpyrght All Rights Res. All rights reserved.

[File 8] **Ei Compendex(R)** 1970-2006/Jun W1

(c) 2006 Elsevier Eng. Info. Inc. All rights reserved.

[File 34] **SciSearch(R) Cited Ref Sci** 1990-2006/Jun W1

(c) 2006 Inst for Sci Info. All rights reserved.

[File 35] **Dissertation Abs Online** 1861-2006/May

(c) 2006 ProQuest Info&Learning. All rights reserved.

[File 56] **Computer and Information Systems Abstracts** 1966-2006/May

(c) 2006 CSA. All rights reserved.

[File 60] **ANTE: Abstracts in New Tech & Engineer** 1966-2006/May

(c) 2006 CSA. All rights reserved.

[File 65] **Inside Conferences** 1993-2006/Jun 12

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[File 94] **JICST-EPlus** 1985-2006/Mar W2

(c)2006 Japan Science and Tech Corp(JST). All rights reserved.

[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2006/Apr

(c) 2006 The HW Wilson Co. All rights reserved.

[File 111] **TGG Natl.Newspaper Index(SM)** 1979-2006/Jun 01

(c) 2006 The Gale Group. All rights reserved.

[File 144] **Pascal** 1973-2006/May W3

(c) 2006 INIST/CNRS. All rights reserved.

[File 239] **Mathsci** 1940-2006/Jul

(c) 2006 American Mathematical Society. All rights reserved.

[File 256] **TecInfoSource** 82-2006/Jul

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31/3,K/5 (Item 5 from file: 2) [Links](#)

Fulltext available through: [Institute of Electrical and Electronics Engineers](#) [USPTO Full Text Retrieval Options](#)
INSPEC

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06891699 INSPEC Abstract Number: C9805-6160B-030

Title: Nomadic transaction management

Author Dirckze, R.A.; Gruenwald, L.

Author Affiliation: Oklahoma Univ., Norman, OK, USA

Journal: IEEE Potentials vol.17, no.2 p. 31-3

Publisher: IEEE ,

Publication Date: April-May 1998 **Country of Publication:** USA

CODEN: IEPTDF **ISSN:** 0278-6648

SICI: 0278-6648(199804/05)17:2L:31:NTM;1-O

Material Identity Number: G949-98002

U.S. Copyright Clearance Center Code: 0278-6648/98/\$10.00

Language: English

Subfile: C

Copyright 1998, IEE

Abstract: ...communication medium. This makes it possible for a fixed computer system to support a mobile user. The general nomadic multidatabase management system (NMDBMS) discussed in this article is a collection of autonomous **databases** connected to a fixed **network**. The respective DBMSs retain complete control over their data. Each **database** may be viewed as an independent site in the **network**. These **databases** operate in different environments. Thus, a NMDBMS may be viewed as a multidatabase system that supports mobile **users**. **Users** of the **independent** databases, called internal users, access these databases through their respective DBMSs. The execution of local... ..local users is transparent to any global process. Users accessing more than one database, called **external users**, submit **global** transactions to the NMDBMS. The NMDBMS is a set of software modules existing on the fixed **network** that cooperate with each other. Together they project the illusion of a single **database** to the **external user**. A **global** transaction consists of a set of sub-transactions that need to be executed at different sites. The **global** transaction manager (GTM), a software component of the NMDBMS, manages the executions of the **global** transactions. **Global** transactions are allowed only limited **access** to the **individual databases**. Consistency and reliability can be achieved by enforcing the ACID (atomicity, consistency, isolation, durability) properties.

Descriptors: distributed **databases**;wireless LAN

Identifiers: ...autonomous **databases**;independent **network** sites... ..independent **databases**;internal users;local transaction execution... ..external users;global transaction manager

1998

31/3,K/8 (Item 8 from file: 2) Links

INSPEC

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06533436 INSPEC Abstract Number: C9705-6160B-006

Title: Transactions classification and a concurrency control algorithm in a multidatabase system

Author Jinli Cao; Orłowski, M.W.

Author Affiliation: Dept. of Math. & Comput., Southern Queensland Univ., Toowoomba, Qld., Australia

Conference Title: Proceedings of the Eleventh International Symposium on Computer and Information Sciences.

ISCIS Part vol.1 p. 255-64 vol.1

Editor(s): Atalay, V.; Halici, U.; Inan, K.; Yalabik, N.; Yazici, A.

Publisher: Middle East Tech. Univ , Ankara, Turkey

Publication Date: 1996 **Country of Publication:** Turkey 2 vol. xvi+x+934 pp.

ISBN: 975 429 103 9 **Material Identity Number:** XX96-03148

Conference Title: Proceedings of 11th International Symposium on Computer and Information Sciences

Conference Date: 6-8 Nov. 1996 **Conference Location:** Antalya, Turkey

Language: English

Subfile: C

Copyright 1997, IEE

Abstract: A multidatabase system (MDBS) interconnects existing **database** systems in a bottom up fashion to support the new (**global user**) and old (**local user**) applications **accessing the multiple databases** concurrently. It is desirable that the **local database** system autonomy is preserved and the old **local** applications are executable after the **local databases** joining a MDBS. The paper considers a multidatabase with various interdatabase dependencies and proposes a concurrency control approach to support the transparency for the **local user** transactions. The old **local** transactions are allowed to submit at **local** site while the system hides various interdatabase dependencies from the **local users**. In order to do these we reclassify transactions according to the data availability and various...

Descriptors: ...distributed **databases**;

Identifiers: ...**global user**; ... **local user**; ... **multiple database access**... **local database** system autonomy...

...old **local** applications... **local user** transactions

1996

31/3,K/20 (Item 20 from file: 2) [Links](#)

Fulltext available through: [ACM - Association for Computing Machinery](#) [USPTO Full Text Retrieval Options](#)
INSPEC

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04900393 INSPEC Abstract Number: C91042573

Title: Interoperability of multiple autonomous databases

Author Litwin, W.; Mark, L.; Roussopoulos, N.

Author Affiliation: INRIA, Le Chesnay, France

Journal: Computing Surveys vol.22, no.3 p. 267-93

Publication Date: Sept. 1990 **Country of Publication:** USA

CODEN: CMSVAN **ISSN:** 0360-0300

U.S. Copyright Clearance Center Code: 0360-0300/90/0900-0267\$01.50

Language: English

Subfile: C

Title: Interoperability of multiple autonomous databases

Abstract: Database systems were a solution to the problem of shared access to heterogeneous files created by multiple autonomous applications in a centralized environment. To make data usage easier, the files were replaced by a globally integrated database. To a large extent, the idea was successful, and many databases are now accessible through local and long-haul networks. Unavoidably, users now need shared access to multiple autonomous databases. The question is what the corresponding methodology should be. Should one reapply the database approach to create globally integrated distributed database systems or should a new approach be introduced? The authors argue for a new approach to solving such data management system problems, called multidatabase or federated systems. These systems make databases interoperable, that is, usable without a globally integrated schema. They preserve the autonomy of each database yet support shared access. Systems of this type will be of major importance in the... case. Then, it presents methodologies for their design. It further shows that major commercial relational database systems are evolving toward multidatabase systems. The paper discusses their capabilities and limitations, presents and...

Descriptors: database management systems

Identifiers: multiple autonomous databases; ... multiple autonomous applications... globally integrated distributed database systems... relational database systems

1990

31/3,K/31 (Item 31 from file: 2) Links

INSPEC

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01436111 INSPEC Abstract Number: C72021647

Title: PDMS-A primitive data base management system for representing structured data in an information sharing environment

Author Pliner, M.S.

University: Case Western Reserve Univ., Cleveland, OH, USA

Dissertation Date: 1971

Country of Publication: USA 264 pp.

Language: English

Subfile: C

Title: PDMS-A primitive data base management system for representing structured data in an information sharing environment

Abstract: ...and implementation of PDMS which represents a concerted effort to extend the concept of generalized data base management to applications where the data and operations to be performed on the data arein a time-sharing environment and provides for the construction and maintenance of common sharable data bases. This is accomplished by defining two classes of data bases. A data base can either be local (accessible to a unique user) or global (sharable among many users). A user or process can have one local and one global data base activated at any time and also have the capability to link and cross-reference structures between both data base files.

Identifiers: ...data base management system

1971

31/3,K/49 (Item 11 from file: 8) [Links](#)

Fulltext available through: [Institute of Electrical and Electronics Engineers](#) [USPTO Full Text Retrieval Options](#)
Ei Compendex(R)

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03842083 E.I. No: EIP93101119000

Title: Accessing files in an internet: the jade file system

Author: Rao, Herman C.; Peterson, Larry L.

Corporate Source: AT&T Bell Lab, Murray Hill, NJ, USA

Source: IEEE Transactions on Software Engineering v 19 n 6 Jun 1993. p 613-624

Publication Year: 1993

CODEN: IESEDJ **ISSN:** 0098-5589

Language: English

Abstract: ...of existing file systems, where by heterogeneous we mean that the underlying file systems support **different file access protocols**. Because of autonomy, Jade is designed under the restriction that the underlying file systems may not be modified. In order to avoid the complexity of maintaining an internet-wide, **global** name space, Jade permits each **user** to define a **private** name space. Jade's name space supports two novel features: It allows **multiple** file systems to be mounted under one **directory**, and it permits one logical name space to mount other logical name spaces. A prototype... ..validate its design. The prototype consists of interfaces to the Unix File System, the Sun **Network** File System, and the File Transfer Protocol. This paper gives an overview of Jade's...

Descriptors: *Distributed **database** systems; Computer **networks**; **Network protocols**; **User** interfaces; Systems analysis; Data communication systems; File organization; Computer aided logic design; UNIX

31/3,K/69 (Item 1 from file: 94) Links

Fulltext available through: USPTO Full Text Retrieval Options

JICST-EPlus

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04783404 JICST Accession Number: 01A0183648 File Segment: JICST-E

The Complexity of Accessing Electronic Licensed Resources Using the World Wide Web Technology: What We Have Learned.

MURPHY L S-L (1)

(1) Univ. California-irvine

Onrain Kensaku , 2000 , VOL.21,NO.1/2 , PAGE.2-20 , FIG.15, REF.24

Journal Number: Y0765AAQ ISSN: 0286-3200

Universal Decimal Classification: 025.5/.6

Language: English **Country of Publication:** Japan

Document Type: Journal

Article Type: Original paper

Media Type: Printed Publication

, 2000

Abstract: ...libraries and their patrons. Concurrently, computer technology has become widely available resulting in sophisticated library **users** with increasing demands and higher expectations. Thus the libraries of the new millennium require high quality computer **networks** and are expected to provide **users** with a rich variety of digital information resources **locally** and **remotely**. However, these libraries must meet increasingly complex challenges on issues such as vendor licenses, security... ..Libraries homepage under "Research Resources A-Z". Walk-in patrons have access to various online **databases**, full-text journals, textbooks, and references. However, only UCI **affiliates** have **privileges** for **remote access** to licensed electronic resources. This paper will describe the various gateways that UCI offers to its **affiliated users** for **local** and **remote access** to electronic licensed web resources. It will explain the **different** login and **access** procedures that vendors and publishers require to retrieve these resources. The gateway mechanism and accessibility... ..Consult, IDEAL, Link, and SciDirect. It will also identify which gateway may work better for **remote users**, e.g., direct modem access or web proxy gateway.... (author abst.)

Descriptors: ...gateway(network);

Broader Descriptors: ...computer network;communication network;information network;network;

Set	Items	Description
S1	268411	S LOCAL? OR VPN? OR PRIVAT? OR ETHERNET? OR LAN OR LANS
S2	3900661	S GLOBAL? OR REMOTE? OR PLURAL? OR MULTIPL? OR MULTIT? OR SEVERAL? OR NETWORK? OR WAN OR WANS OR OUTSIDE? OR EXTERNAL?
S3	1452719	S SCHEMA? OR DATABASE? OR DATA()BASE? OR DIRECTOR? OR SUBSCHEMA? OR XMLSCHEMA? OR INDEX? OR TABLE? OR COLUMN? OR LDAP?
S4	1481480	S USER? ? OR SUBSCRIBER? OR CLIENT? OR CUSTOMER? OR ENDUSER? OR INDIVIDUAL? OR PERSON?
S5	10231	S S1 AND S2 AND S3 AND S4
S6	1109	S NUMBER() (ONE OR 1) OR PRINCIPAL? OR LEAD OR CONTROLLER? OR HEAD OR MASTER
S7	1431	S FIRST? OR 1ST OR PRIMARY OR INITIAL? OR ORIGINAL? OR LEADOFF? OR MAIN OR CHIEF OR INTRODUCTORY?
S8	1604	S SECOND? OR 2ND OR ANOTHER OR AUXILIAR? OR BACKUP? OR EXTRA OR SLAVE? OR SUPPLEMENT?
S9	1201	S SUBSIDIAR? OR DIFFERENT? OR ALTERNAT? OR NUMBER() (TWO OR 2)
S10	1634	S ID OR IDS OR IDENTIFICATION? OR AUTHENTICATION? OR AUTHORIZATION? OR PASSWORD?
S11	3637	S ROLE? OR PRIVILEG? OR ACCESS? OR PERMISSION? OR ACCOUNT? OR SUBSCRIPTION?
S12	1392	S DIGITAL?()CERTIFICAT? OR PROTOCOL?
S13	819	S SIMILAR? OR ALIKE? OR IDENTICAL? OR SAMENESS OR "SAME" OR RESEMBL?
S14	2016	S MATCH? OR PATTERN? OR CLOSENESS? OR NEARNESS? OR AFFILIAT? OR ASSOCIAT?
S15	1275	S RELATED? OR KINSHIP? OR CORRELAT? OR SIMILAR? OR LIKENESS? OR ALIKE? OR CONGRUENT?
S16	1748	S DIFFERENT? OR DISSIMILAR? OR DISIMILAR? OR UNALIKE? OR UNLIKE? OR ANOTHER? OR DISPARAT?
S17	6512	S SEPARAT? OR INDEPEND? OR DISTINCT? OR UNIQUE? OR APART? OR HETER?
S18	5566	S IC=G06F?
S19	6939	S MC=T01?
S20	347	S S5 AND S6:S7 AND S8:S9 AND S2(5N)S4
S21	130	S S20 AND S1(5N)S4
S22	74	S S21 AND S10:S12
S23	52	S S21 AND S13:S15
S24	96	S S21 AND S16:S17
S25	81	S S21:S24 AND S18:S19
S26	41	S S21:S25 AND S4(5N)S10:S12
S27	41	IDPAT (sorted in duplicate/non-duplicate order)

; show files

[File 347] JAPIO Dec 1976-2005/Dec(Updated 060404)

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[File 350] Derwent WPIX 1963-2006/UD,UM &UP=200636

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**File 350: Preview the enhanced DWPI through ONTAP DWPI (File 280). For more information, visit <http://www.dialog.com/dwpi/>.*

27/3,K/19 (Item 19 from file: 350) Links
Derwent WPIX
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014188974 **Image available**
WPI Acc No: 2002-009671/200201
Related WPI Acc No: 1999-428672; 2000-601057; 2003-274504; 2004-515378
XRPX Acc No: N02-008045

**Secure dial-up session creation method in computer
network, involves comparing keyed random numbers to authenticate
remote client**

Patent Assignee: CISCO TECHNOLOGY INC (CISC-N)
Inventor: VALENCIA A J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6308213	B1	20011023	US 96687973	A	19960729	200201 B
			US 9634508	P	19961227	
			US 99309166	A	19990510	

Priority Applications (No Type Date): US 9634508 P 19961227; US 96687973 A 19960729; US 99309166 A 19990510

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6308213	B1	18	G06F-015/16		Cont of application US 96687973 Provisional application US 9634508 Cont of patent US 5918019

**Secure dial-up session creation method in computer
network, involves comparing keyed random numbers to authenticate
remote client**

Abstract (Basic):

... **Remote client** name, random number and
primary keyed random number are transmitted from Internet
service provider (ISP) (27) to **local network** (22).
Remote client name is mapped with corresponding prestored
client password at **local network**. Random
number is encrypted to obtain **secondary** keyed random number.
Eyed random numbers are compared to authenticate the **remote**
client, and communication link is established between ISP and
local network.
... **INDEPENDENT CLAIMS** are also included for the following...

...b) **Network access server**...

...In virtual dial-up systems used for **accessing a private**
local network through an Internet **access service**
...

...Termination **protocols** and updating requirement normally performed by the ISP and which are incompatible with **private networks** are not necessary. Allows **multiple protocols** and unregistered IP addresses to be used across existing Internet infrastructure, thus facilitates sharing of very large investments in **access** and core infrastructure...

...The figure shows the **schematic** diagram of a virtual dial-up session...

...**Local network** (22

...Title Terms: **NETWORK;**

International Patent Class (Main): **G06F-015/16**

Manual Codes (EPI/S-X): **T01-D01...**

...**T01-E04...**

...**T01-F05G3...**

...**T01-H07C5E...**

...**T01-H07P...**

...**T01-J12C**

27/3,K/33 (Item 33 from file: 350) Links

Derwent WPIX

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010714305 **Image available**

WPI Acc No: 1996-211260/199622

Related WPI Acc No: 1995-353054; 1996-173232; 1996-261833; 1996-289336;
2000-012066; 2000-115324; 2000-474732; 2000-654981; 2002-259220;
2004-466660

XRFX Acc No: N96-176752

**Data copyright management system for producing new data from
encrypted data - encrypted data is decrypted and edited by first
user who provides crypt key for second users,
second users request permission to use edited data
and old data, system grants permission having validated
first user**

Patent Assignee: MITSUBISHI CORP (MITS); INTERCIA SOFTWARE LLC (INTE-N)

Inventor: MOMIKI S; SAITO M

Number of Countries: 005 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 709760	A2	19960501	EP 95116820	A	19951025	199622 B
JP 8272745	A	19961018	JP 95280985	A	19951027	199701
US 5646999	A	19970708	US 95549271	A	19951027	199733
US 6272635	B1	20010807	US 95549271	A	19951027	200147
			US 97888074	A	19970703	
			US 2000546177	A	20000410	
US 20010027522	A1	20011004	US 95549271	A	19951027	200161
			US 97888074	A	19970703	
			US 2000546177	A	20000410	
			US 2001873453	A	20010605	
US 20020025044	A1	20020228	US 98165928	A	19981002	200220
			US 2001985388	A	20011102	
US 6463536	B2	20021008	US 95549271	A	19951027	200269
			US 97888074	A	19970703	
			US 2000546177	A	20000410	
			US 2001873453	A	20010605	
US 20020178372	A1	20021128	US 95549271	A	19951027	200281
			US 97888074	A	19970703	
			US 2000546177	A	20000410	
			US 2001873453	A	20010605	
			US 2002152584	A	20020523	
US 6721887	B2	20040413	US 95549271	A	19951027	200425
			US 97888074	A	19970703	
			US 2000546177	A	20000410	
			US 2001873453	A	20010605	
			US 2002152584	A	20020523	
JP 2006085725	A	20060330	JP 95280985	A	19951027	200629
			JP 2005298846	A	20051013	

Priority Applications (No Type Date): JP 94264201 A 19941027; JP 9464889 A
19940401; JP 94237673 A 19940930; JP 94269959 A 19941102

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 709760	A2	E	15	G06F-001/00	
Designated States (Regional): DE FR GB					
JP 8272745	A		12	G06F-015/00	
US 5646999	A		14	H04K-001/00	
US 6272635	B1			G06F-001/24	Cont of application US 95549271 Cont of application US 97888074 Cont of patent US 5646999 Cont of patent US 6097818
US 20010027522	A1			H04L-009/32	Cont of application US 95549271 Cont of application US 97888074 Cont of application US 2000546177 Cont of patent US 5646999 Cont of patent US 6097818 Cont of patent US 6272635
US 20020025044	A1			H04L-009/00	Cont of application US 98165928
US 6463536	B2			G06F-013/38	Cont of application US 95549271 Cont of application US 97888074 Cont of application US 2000546177 Cont of patent US 5646999 Cont of patent US 6097818 Cont of patent US 6272635
US 20020178372	A1			H04L-009/32	Cont of application US 95549271 Cont of application US 97888074 Cont of application US 2000546177 Cont of application US 2001873453 Cont of patent US 5646999 Cont of patent US 6097818 Cont of patent US 6272635 Cont of patent US 6463536
US 6721887	B2			G06F-013/38	Cont of application US 95549271 Cont of application US 97888074 Cont of application US 2000546177 CIP of application US 2001873453 Cont of patent US 5646999 Cont of patent US 6097818 Cont of patent US 6272635 CIP of patent US 6463536
JP 2006085725	A		18	G06F-021/00	Div ex application JP 95280985

... encrypted data is decrypted and edited by first user who provides crypt key for second users, second users request permission to use edited data and old data, system grants permission having validated first user

...Abstract (Basic): The system has a **first user** (1) that obtains **several** encrypted data from a **database** (1 to 3) and decrypting it by using a crypt key supplied from the **database**. The decrypted data is edited to produce new data. The **first user** supplies a crypt key for both the encrypted

data and edition program with a digital signature as a use permit key for a **second user** (5 to 7...

...A **second user** receives the edited and encrypted data and requests use of the data by presenting the...

...with the digital signature to a copyright management centre (8). The management centre identifies the **first user** as an editor using the digital signature, and allows the **second user** with the crypt key to use the data once the **first user** has been correctly identified...

...multimedia system displaying, storing, copying, editing and transmitting multimedia data. Watches and manages to prevent **users** from using other than conditions of **user's** request or **permission**.

...Abstract (Equivalent): A data copyright management method used for producing new data by editing **original** data, the method comprising the steps of...

...a **database** supplies a **plurality** of **original** data encrypted respectively by using each **first** secret-key thereof, to a **primary user**;

...

...said **primary user** makes a request for use to a copyright management center by presenting a public-key of said **primary user**;

...

...said copyright management center sends said **first** secret-key of each of said **original** data and a **second** secret-key of each said **original** data to said **primary user**;

...

...said **primary user** decrypts said **plurality** of **original** data encrypted, by using said **first** secret-key of each said **original** data...

...said **primary user** produces new data which is produced from a **plurality** of edited data by editing said **plurality** of **original** data using an edit program...

...said **primary user** encrypts said **plurality** of edited data respectively by said **second** secret-key of each said **original** data and performs a digital signature on editing process data of said edit program by using a **private**-key of said **primary user**, and supplies both said **plurality** of edited data and said editing process data with said digital signature to a **secondary user**;

...

...said **secondary user** requests use of said new data by

presenting said editing process data with said digital...

...said copyright management center confirms an editor as said **primary user** from said digital signature using said public-key of said **primary user**, and provides said **secondary user** with said **second** secret-key of each said **original** data; and...

...said **secondary user** decrypts said **plurality** of edited data which have been encrypted, respectively by using said **second** secret-key of each said **original** data, and obtains said new data using said edit program and said editing process data

...Title Terms: **FIRST**;

International Patent Class (Main): **G06F-001/00**...

...**G06F-001/24**...

...**G06F-013/38**...

...**G06F-015/00**...

...**G06F-021/24**

International Patent Class (Additional): **G06F-011/30**...

...**G06F-012/14**...

...**G06F-021/00**

Manual Codes (EPI/S-X): **T01-D01**...

...**T01-H01C2**...

...**T01-J05B**

27/3,K/27 (Item 27 from file: 350) Links

Derwent WPIX

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012890342 **Image available**

WPI Acc No: 2000-062176/200005

XPX Acc No: N00-048702

Location based information storing and retrieving method

Patent Assignee: BRITISH TELECOM PLC (BRTE)

Inventor: BROOKLAND A R; MOORE R P; PLASSE D; TITMUSS R J

Number of Countries: 021 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9957700	A1	19991111	WO 99GB1394	A	19990505	200005	B
EP 1076889	A1	20010221	EP 99920969	A	19990505	200111	
			WO 99GB1394	A	19990505		
EP 1076889	B1	20030129	EP 99920969	A	19990505	200309	
			WO 99GB1394	A	19990505		
JP 2003505744	W	20030212	WO 99GB1394	A	19990505	200321	
			JP 2000547599	A	19990505		
DE 69905151	E	20030306	DE 99605151	A	19990505	200325	
			EP 99920969	A	19990505		
			WO 99GB1394	A	19990505		
US 6826598	B1	20041130	WO 99GB1394	A	19990505	200479	
			US 2000647884	A	20001006		

Priority Applications (No Type Date): GB 989600 A 19980505; EP 98303520 A 19980505

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9957700	A1	E	59	G09B-029/00	
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Designated States (National): JP US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

EP 1076889	A1	E		G09B-029/00	Based on patent WO 9957700
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Designated States (Regional): BE CH DE DK ES FI FR GB IE IT LI NL PT SE

EP 1076889	B1	E		G09B-029/00	Based on patent WO 9957700
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Designated States (Regional): BE CH DE DK ES FI FR GB IE IT LI NL PT SE

JP 2003505744	W		56	G06F-017/30	Based on patent WO 9957700
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DE 69905151	E			G09B-029/00	Based on patent EP 1076889
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Based on patent WO 9957700

US 6826598	B1			G06F-015/167	Based on patent WO 9957700
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Abstract (Basic):

... One of the **primary** location is selected to represent **secondary** location at which information is to be stored and/or retrieved. The **primary** and **secondary** locations defined by data bears a predetermined locations relationship and predetermined

size relationship.

... The data defining **several primary** locations is stored in data storage device which is **accessible** simultaneously by **users** at **several remote user** terminals.

The **primary** and **secondary** locations share at least one geographical location, and they are **similar** in size. An **INDEPENDENT CLAIM** is also included for apparatus for storing location-based information...

...storage device of mobile communication system such as digital cellular telephone of GSM standard, pagers, **personal** digital assistant (PDA), portable facsimile or computer adapted to communicate via cellular **networks** using dedicated modem...

...The information sources of a given locating of pertinence are appropriately **indexed** in relation to various fixed levels and/or **locality**. Prevents **user** being overwhelmed with large quantities of information when traveling at high speed, while providing the **user** with sufficient specific information during stationary or traveling at low speed...

...The figure shows **schematic** diagram of physical or transport layer of telecommunication system...

International Patent Class (Main): **G06F-015/167...**

...**G06F-017/30**

Manual Codes (EPI/S-X): **T01-H07C5...**

...**T01-J05B4B...**

...**T01-J06B1**

27/3,K/28 (Item 28 from file: 350) Links
Derwent WPIX
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011616562 **Image available**
WPI Acc No: 1998-033690/199804
XRPX Acc No: N98-026961

**Connection of subscribers to communication
networks of several operators - is made via standard
interface for which address is obtained using look-up table in
peripheral unit of physically connected subscriber exchange**

Patent Assignee: SIEMENS AG (SIEI)
Inventor: LOEBIG N
Number of Countries: 013 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19621403	A1	19971211	DE 1021403	A	19960528	199804 B
EP 817512	A2	19980107	EP 97108340	A	19970522	199806
DE 19621403	C2	20011018	DE 1021403	A	19960528	200161

Priority Applications (No Type Date): DE 1021403 A 19960528

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19621403	A1	10		H04M-003/42	
EP 817512	A2 G	11		H04Q-003/64	

Designated States (Regional): AT BE CH DE DK FI FR GB GR IT LI NL SE
DE 19621403 C2 H04M-003/42

**Connection of subscribers to communication
networks of several operators...**

**...is made via standard interface for which address is obtained using
look-up table in peripheral unit of physically connected
subscriber exchange**

**...Abstract (Basic): The subscribers (TLN) are physically connected
to a first network operator (N1) and can be switched via
a standardised interface (VB) to one or more other operators (e.g. N2).
The signalling messages (SIG) and speech information (SP) from the
subscriber are passed transparently through the local
exchange (LET) of the first network operator to its
counterpart (LEB) in a more distant network.**

...

**...A logical address accompanying the signalling messages from the
subscriber connection network is processed in a
table (T) in the appropriate peripheral unit (LTGT1), and
converted into an address for the standardised interface giving**

access to another local exchange...

...ADVANTAGE - Any **subscriber** can have **individual** free
access to **local** exchanges of all **alternative**
network operators, with technological flexibility and at
moderate cost

...Title Terms: **SUBSCRIBER;**

DERWENT-ACC-NO: 1998-033690

DERWENT-WEEK: 200161

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TITLE: Connection of subscribers to communication
networks of several operators - is made via standard
interface for which address is obtained using look-up table
in peripheral unit of physically connected
subscriber exchange

INVENTOR: LOEBIG, N

PATENT-ASSIGNEE: SIEMENS AG[SIEI]

PRIORITY-DATA: 1996DE-1021403 (May 28, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
DE 19621403 A1	December 11, 1997	N/A
010 H04M 003/42		
DE 19621403 C2	October 18, 2001	N/A
000 H04M 003/42		
EP <u>817512</u> A2	January 7, 1998	G
011 H04Q 003/64		

DESIGNATED-STATES: AT BE CH DE DK FI FR GB GR IT LI NL SE

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
DE 19621403A1	N/A	1996DE-1021403
May 28, 1996		
DE 19621403C2	N/A	1996DE-1021403
May 28, 1996		
EP 817512A2	N/A	1997EP-0108340
May 22, 1997		

INT-CL (IPC): H04L012/56, H04M003/42 , H04M007/06 , H04M011/06 ,
H04Q003/00 , H04Q003/64

ABSTRACTED-PUB-NO: DE 19621403A

BASIC-ABSTRACT:

The subscribers (TLN) are physically connected to a first network operator (N1) and can be switched via a standardised interface (VB) to one or more other operators (e.g. N2). The signalling messages (SIG) and speech information (SP) from the subscriber are passed transparently through the local exchange (LET) of the first network operator to its counterpart (LEB) in a more distant network.

A logical address accompanying the signalling messages from the subscriber connection network is processed in a table (T) in the appropriate peripheral unit (LTGT1), and converted into an address for the standardised interface giving access to another local exchange.

ADVANTAGE - Any subscriber can have individual free access to local exchanges of all alternative network operators, with technological flexibility and at moderate cost.

CHOSEN-DRAWING: Dwg.2/2

TITLE-TERMS: CONNECT SUBSCRIBER COMMUNICATE NETWORK OPERATE MADE STANDARD

INTERFACE ADDRESS OBTAIN UP TABLE PERIPHERAL UNIT
PHYSICAL CONNECT
SUBSCRIBER EXCHANGE

DERWENT-CLASS: W01

EPI-CODES: W01-B02A1; W01-C03;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1998-026961

27/3,K/29 (Item 29 from file: 350) Links
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011594333

WPI Acc No: 1998-011461/199802

XRPX Acc No: N98-009072

**Connection of subscribers to communication
networks of several operators - is made via standard
interface for which address is obtained look-up table in
peripheral unit of physically connected subscriber exchange**

Patent Assignee: SIEMENS AG (SIEI)

Inventor: LOEBIG N; LOBIG N

Number of Countries: 017 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 810800	A2	19971203	EP 97107947	A	19970515	199802 B
DE 19628458	A1	19971211	DE 196028458	A	19960715	199804
MX 9703916	A1	19980901	MX 973916	A	19970528	200017
DE 19628458	C2	20000511	DE 196028458	A	19960715	200028
US 6381327	B1	20020430	US 97864563	A	19970528	200235
CN 1169629	A	19980107	CN 97113480	A	19970528	200321
MX 218581	B	20040112	MX 973916	A	19970528	200472

Priority Applications (No Type Date): DE 196028458 A 19960715; DE 196021402
A 19960528

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 810800	A2	G	11	H04Q-003/58	
Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IT LI NL SE					
DE 19628458	A1		7	H04M-003/42	
MX 9703916	A1			H04M-001/00	
DE 19628458	C2			H04M-003/42	
US 6381327	B1			H04M-007/00	
CN 1169629	A			H04L-012/52	
MX 218581	B			H04M-001/00	

**Connection of subscribers to communication
networks of several operators...**

**...is made via standard interface for which address is obtained look-up
table in peripheral unit of physically connected subscriber
exchange**

**...Abstract (Basic): The subscribers (TLN) are physically connected
to a first**

...

...network operator (N1) and can be switched via a standardised...

...**subscriber** are passed transparently through the **local** exchange...

...LET) of the **first network** operator to its counterpart (LEB) in...

...a more distant **network**.

...

...A logical address accompanying the signalling messages from the **subscriber** connection concentrator (DLU) is processed in a **table** (T) in the appropriate peripheral unit (LTG), and converted into an address for the standardised interface giving **access** to **another local** exchange...

...ADVANTAGE - Any **subscriber** can have **individual** free **access** to **local** exchanges of all **alternative network** operators, with technological flexibility and at moderate cost.

...Title Terms: **SUBSCRIBER**;

Manual Codes (EPI/S-X): **T01-H07C**...

...**T01-J08C**

27/3,K/30 (Item 30 from file: 350) Links
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011511225 **Image available**
WPI Acc No: 1997-489139/199745
XRPX Acc No: N97-407536

**Subscriber feature providing method - providing
enhanced features to subscribers initiating call from one
local exchange carrier switch through public network, to
subscribers not served by same switch**

Patent Assignee: LUCENT TECHNOLOGIES INC (LUCE)
Inventor: ANDRUSKA D L; TSAI L T
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5673311	A	19970930	US 95556325	A	19951116	199745 B

Priority Applications (No Type Date): US 95556325 A 19951116
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 5673311 A 10 H04M-003/42

Subscriber feature providing method...

**...providing enhanced features to subscribers initiating call from
one local exchange carrier switch through public network,
to subscribers not served by same switch**

**...Abstract (Basic): The method involves receiving a first signal
from the first switch at a second telecommunications
switch disposed at a hierarchical level above the first switch.
The first signal indicates to the second switch that call
origination services are to be provided directly by the second
switch for one of the first subscribers. A second
signal is received at the second switch, via the first
switch, and is indicative of the ID of the first
subscriber.**

...

**...The method then locates a record in a database coupled to the
second switch in response to receiving the second signal.
The location of the record is based on the ID of the
first subscriber as defined by the second signal.
A group affiliation parameter which is stored in the record, is
identified. A second switch transmits a call set-up message to a
third switch which is associated with the second
subscriber. The call set-up message is based on the group
affiliation parameter so that the first subscriber
's membership can be used for further call processing...**

...ADVANTAGE - Allows services and features to be provided to
 subscriber of **local** exchange carrier when
 subscriber is not served by PBX or Centrex system

Title Terms: **SUBSCRIBER;**